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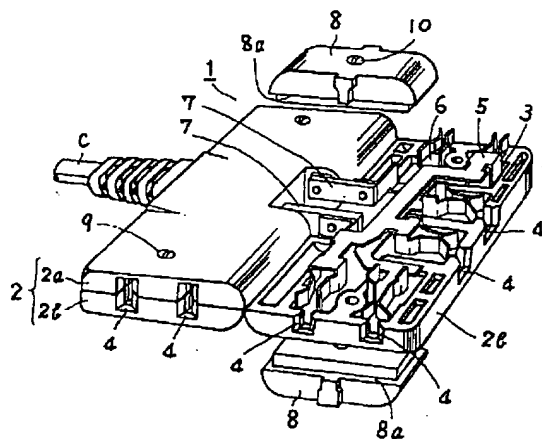
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(54)【考案の名称】 テーブルタップ

(57)【要約】

【構成】 端子収納室3内に一對の雌型端子5、6を収納した複数個のコンセント2、2を、電氣的に、且つ、相互に回動自在に連結してテーブルタップ1を構成した。

【効果】 テーブルタップ1を折り畳んで使用することにより、その載置スペースを取らずに多くの電気機器の電源プラグを差し込み接続し得る、また、コーナー部や段差の有る室内ではその形状に合わせてテーブルタップ1を折り曲げて使用し、さらに、テーブルタップ1を直角に折り曲げて、テーブルタップ1を構成する一方のコンセント2を机上等に載置し、他方のコンセント2を机上等と壁面との狭いスペースに位置させて使用し得る等、広範囲に使用し得る。



1

2

【実用新案登録請求の範囲】

【請求項1】 端子収納室内に雌型端子を収納した複数個のコンセントを、電氣的に、且つ、相互に回動自在に連結したことを特徴とするテーブルタップ。

【図面の簡単な説明】

【図1】 本考案の一実施例を示す斜視図

【図2】 本考案を構成する一方のコンセントの上部カバーを取り外した状態を示す斜視図

【図3】 使用状態を示す斜視図

【図4】 使用状態を示す斜視図

【図5】 使用状態を示す側面図

【図6】 使用状態を示す斜視図

\* 【図7】 本考案の他の実施例を示す斜視図

【図8】 従来のテーブルタップを示す斜視図

【符号の説明】

1 テーブルタップ

2 コンセント

3 端子収納室

4 プラグ差込口

5 雌型端子

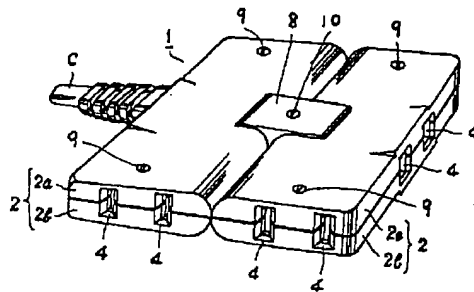
6 雌型端子

10 連結金具

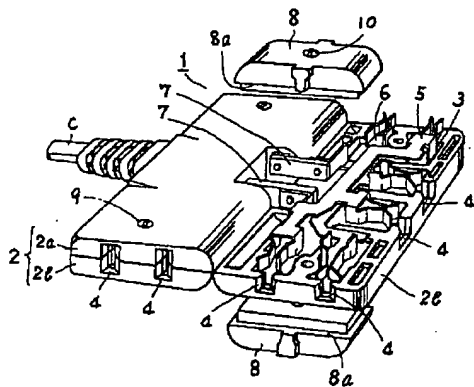
8 絶縁カバー

\*

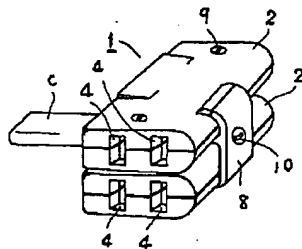
【図1】



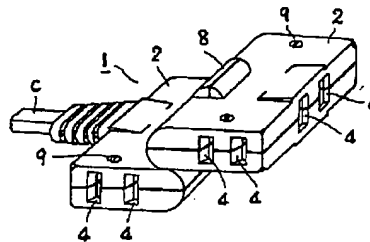
【図2】



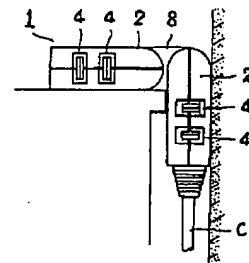
【図3】



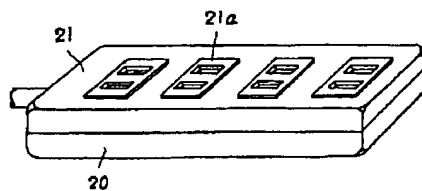
【図4】



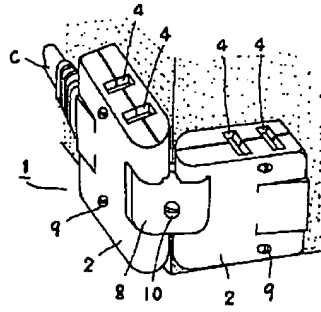
【図5】



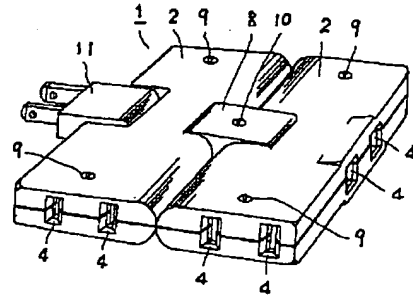
【図8】



【図6】



【図7】



## 【考案の詳細な説明】

【0001】

## 【産業上の利用分野】

本考案はテーブルタップに関するものである。

【0002】

## 【従来の技術】

従来のテーブルタップは図8に示すように、下部ケース20に設けた端子収納室内に雌型端子を収納し、該下部ケース20上に複数のプラグ差込口21aを設けた上部ケース21をネジ止め等の方法により取り付け構成されていた。

【0003】

## 【考案が解決しようとする課題】

しかしながら、上述のように構成された従来のテーブルタップにおいては、該テーブルタップに設けるプラグ差込口21aの数が多くなるに従ってテーブルタップは長手方向に長尺化し載置スペースに制約を受ける等の問題点があった。

【0004】

本考案は上記問題点に鑑みなされたもので、コンパクトに折り畳んで使用することにより載置スペースを取らず、また、机等と壁面との間の狭いスペースや段差のある室内、および、室内コーナー部等への載置に適宜対応し得るテーブルタップを提供することを目的とする。

【0005】

## 【課題を解決するための手段】

本考案は、端子収納室内に雌型端子を収納した複数個のコンセントを、電氣的に、且つ、相互に回動自在に連結してテーブルタップを構成し、従来の問題点を解消したものである。

【0006】

## 【作用】

テーブルタップを構成する複数個のコンセント相互をコンパクトに折り畳んで使用することにより狭いスペースでより多くの電気機器のプラグを差し込み接続し得る。また、段差のある室内や室内コーナー部ではその形状に合わせてテー

ルタップを折り曲げて使用し、さらに、テーブルタップを直角に折り曲げて一方のコンセントを机上等に載置し、他方のコンセントを机上等と壁面との間の狭いスペースに位置させて使用し得る等、広範囲な使用が可能となる。

【0007】

【実施例】

以下、本考案の実施例を図面により説明する。図1は本考案の一実施例を示す斜視図、図2は本考案のテーブルタップを構成する一方のコンセントの上部ケースを取り外した状態を示す斜視図で、図において1は後述する複数のコンセントを電氣的に、且つ、相互に回動自在に連結したテーブルタップ。

【0008】

2、2は上記テーブルタップ1を構成する複数のコンセント（図には2個のコンセントを連結した状態を示してある）で、該コンセント2、2は上部ケース2aと、下部ケース2bとで構成され、上部ケース2aと下部ケース2bには夫々端子収納室3と、側面には相手方電気機器の電源プラグを差し込み接続するプラグ差込口4が設けられている。

【0009】

5、6は上記コンセント2、2に設けられた端子収納室3内に夫々収納された一対の雌型端子である。

【0010】

7、7は黄銅等の導電性金属板からなる連結金具で、該連結金具7、7により前記コンセント2、2内に夫々収納された雌型端子5、5及び6、6相互は回動自在に接続され、連結金具7、7により回動自在に接続された雌型端子5、5及び6、6を端子収納室3内に収納したコンセント2、2は電氣的に、且つ、相互に回動自在に連結されている。

【0011】

8、8は上記連結金具7、7上に被せられた2ツ割りの絶縁カバーで、該カバー8、8の当接面側縁には連結金具7、7を覆う段部8aが形成されている。

【0012】

9はコンセント2の上部ケース2aと下部ケース2bを緊締したネジ、10は

2ツ割りの絶縁カバー8、8を緊締したネジである。

【0013】

Cはテーブルタップ1を構成する一方のコンセント2から導出された電源コードで、該電源コードCの端末部にはプラグ(図省略)が取り付けられている。

【0014】

上述のようにコンセント2、2を電氣的に、且つ、相互に回動自在に連結してテーブルタップ1を構成することにより、

- (1) 図3に示すようにテーブルタップ1を折り畳んで使用することにより、その載置スペースを取らずにより多くの電気機器の電源プラグを差し込み接続して使用することができる。
- (2) 図4に示すように段差のある室内では、段差に合わせてテーブルタップ1を折り曲げて使用することにより、何等不都合なくテーブルタップ1を載置して使用することができる。
- (3) 図5に示すようにテーブルタップ1を直角に折り曲げ、一方のコンセント2を机上等に載置し、他方のコンセント2を机上等と壁面との狭いスペースに位置させて使用することができる。
- (4) 図6に示すようにテーブルタップ1を直角に折り曲げ室内コーナー部を抱かせるようにして使用することができる。

など、広範囲の使用が可能となる。

【0015】

なお、電氣的に、且つ、相互に回動自在に連結するコンセントの数は、3連、4連、それ以上とし得るものであり、また、相手方電気機器のプラグを差し込み接続するプラグ差込口4を設ける位置及び数等は必要に応じ適宜設計変更し得るものである。

【0016】

また、図7に示すように何れか一方のコンセント2にプラグ11を回動自在に設け、該プラグ11を室内壁面に設けられたコンセントに直接接続するようにテーブルタップ1を構成してもよいことは勿論である。

【0017】

## 【考案の効果】

本考案によれば上述のように、テーブルトップ1をコンパクトに折り畳んで使用することにより狭いスペースで多くの電気機器の電源プラグを差し込み接続することができるばかりでなく、コーナー部や段差のある室内ではその形状に合わせてテーブルトップ1を折り曲げて使用し、さらに、テーブルトップ1を直角に折り曲げて一方のコンセント2を机上等に載置し、他方のコンセント2を机上等と壁面との間の狭いスペースに位置させて使用し得る等、広範囲に使用し得るという優れた利点がある。

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CLAIMS

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[Utility model registration claim]

[Claim 1] The table tap characterized by connecting electrically with the terminal receipt interior of a room mutually two or more plug sockets which contained the female mold terminal free [ rotation ].

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[Translation done.]



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## DETAILED DESCRIPTION

[Detailed explanation of a design]

[0001]

[Industrial Application]

This design is related with a table tap.

[0002]

[Description of the Prior Art]

As shown in drawing 8, the conventional table tap contained the female mold terminal to the terminal receipt interior of a room established in lower housing 20, ~~\*\*picking-~~attached to the approach of a screw stop etc. the upper housing 21 which prepared two or more plug entry 21a on this lower housing 20, and was constituted.

[0003]

[Problem(s) to be Solved by the Device]

However, in the conventional table tap constituted as mentioned above, the table tap was longitudinalized to the longitudinal direction, and had troubles, such as receiving constraint in an installation tooth space, as the number of plug entry 21a prepared in this table tap increased.

[0004]

This design aims at offering the table tap which can respond to the installation to the interior of a room which was made in view of the above-mentioned trouble, and does not take an installation tooth space by folding up and using it for a compact, and has a narrow tooth space between a desk etc. and a wall surface, and a level difference, the indoor corner section, etc. suitably.

[0005]

[Means for Solving the Problem]

This design connects electrically with the terminal receipt interior of a room mutually two or more plug sockets which contained the female mold terminal free [ rotation ], constitutes a table tap, and cancels the conventional trouble.

[0006]

[Function]

By folding up and using two or more plug sockets of both that constitute a table tap for a compact, in a narrow tooth space, the plug of more electrical machinery and apparatus is inserted, and it can connect. Moreover, in the interior of a room and the indoor corner section with a level difference, the wide range use of a table tap being bent at a right angle and one plug socket being further, laid in desk superiors, and a table tap being bent and used according to the configuration, and being used, locating the plug socket of another side in the narrow tooth space between desk superiors and a wall surface etc. is attained.

[0007]

[Example]

Hereafter, a drawing explains the example of this design. It is the table tap which connected [ in / are the perspective view in which drawing 1 shows one example of this design, and the perspective view in which drawing 2 shows the condition of while constituting the table tap of this design and having removed the upper housing of a plug socket, and / drawing ] electrically mutually two or more plug sockets which 1 mentions later free [ rotation ].

[0008]

2 and 2 are two or more plug sockets (the condition of having connected two plug sockets is shown in drawing) which constitute the above-mentioned table tap 1, these plug sockets 2 and 2 consist of upper housing 2a and lower housing 2b, and the plug entry 4 which inserts the plug of an other party electrical machinery and apparatus, and connects is established in the terminal receipt room 3 and the side face at upper housing 2a and lower housing 2b, respectively.

[0009]

5 and 6 are the female mold terminals of the pair contained, respectively in the terminal receipt room 3 established in the above-mentioned plug sockets 2 and 2.

[0010]

7 and 7 are connecting fitting which consists of conductive metal plates, such as brass, and both [ which were contained in said plug socket 2 and 2 by this connecting fitting 7 and 7, respectively / the female mold terminals 5, 5, and 6 and both 6 ] are connected free [ the rotation ]. The plug sockets 2 and 2 which contained the female mold terminals 5 and 5 connected by connecting fitting 7 and 7 free [ rotation ], and 6 and 6 in the terminal receipt room 3 are connected mutually free [ rotation ] electrically.

[0011]

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---

TECHNICAL FIELD

---

[Industrial Application]  
This design is related with a table tap.  
[0002]

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PRIOR ART

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## [Description of the Prior Art]

As shown in drawing 8, the conventional table tap contained the female mold terminal to the terminal receipt interior of a room established in lower housing 20, \*\*picking-attached to the approach of a screw stop etc. the upper housing 21 which prepared two or more plug entry 21a on this lower housing 20, and was constituted.

[0003]

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EFFECT OF THE INVENTION

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## [Effect of the Device]

According to this design, as mentioned above by folding up and using a table tap 1 for a compact, in a narrow tooth space, it can insert the plug of many electrical machinery and apparatus and not only can connect, but in the interior of a room with the corner section or a level difference, a table tap 1 is bent and used according to the configuration. Furthermore, there is an outstanding advantage that it can use broadly that a table tap 1 is bent at a right angle, one plug socket 2 is laid in desk superiors, and it can be used, locating the plug socket 2 of another side in the narrow tooth space between desk superiors and a wall surface etc.

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TECHNICAL PROBLEM

---

[Problem(s) to be Solved by the Device]

However, in the conventional table tap constituted as mentioned above, the table tap was long-picture-sized to the longitudinal direction, and had troubles, such as receiving constraint in an installation tooth space, as the number of plug entry 21a prepared in this table tap increased.

[0004]

This design aims at offering the table tap which can respond to the installation to the interior of a room which was made in view of the above-mentioned trouble, and does not take an installation tooth space by folding up and using it for a compact, and has a narrow tooth space between a desk etc. and a wall surface, and a level difference, the indoor corner section, etc. suitably.

[0005]

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MEANS

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[Means for Solving the Problem]

This design connects electrically with the terminal receipt interior of a room mutually two or more plug sockets which contained the female mold terminal free [ rotation ], constitutes a table tap, and cancels the conventional trouble.

[0006]

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OPERATION

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## [Function]

By folding up and using two or more plug sockets of both that constitute a table tap for a compact, in a narrow tooth space, the plug of more electrical machinery and apparatus is inserted, and it can connect. Moreover, in the interior of a room and the indoor corner section with a level difference, the wide range use of a table tap being bent at a right angle and one plug socket being further, laid in desk superiors, and a table tap being bent and used according to the configuration, and being used, locating the plug socket of another side in the narrow tooth space between desk superiors and a wall surface etc. is attained.

[0007]

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## EXAMPLE

[Example]

Hereafter, a drawing explains the example of this design. It is the table tap which connected [ in / are the perspective view in which drawing 1 shows one example of this design, and the perspective view in which drawing 2 shows the condition of while constituting the table tap of this design and having removed the upper housing of a plug socket, and / drawing ] electrically mutually two or more plug sockets which 1 mentions later free [ rotation ].

[0008]

2 and 2 are two or more plug sockets (the condition of having connected two plug sockets is shown in drawing) which constitute the above-mentioned table tap 1, these plug sockets 2 and 2 consist of upper housing 2a and lower housing 2b, and the plug entry 4 which inserts the plug of an other party electrical machinery and apparatus, and connects is established in the terminal receipt room 3 and the side face at upper housing 2a and lower housing 2b, respectively.

[0009]

5 and 6 are the female mold terminals of the pair contained, respectively in the terminal receipt room 3 established in the above-mentioned plug sockets 2 and 2.

[0010]

7 and 7 are connecting fitting which consists of conductive metal plates, such as brass, and both [ which were contained in said plug socket 2 and 2 by this connecting fitting 7 and 7, respectively / the female mold terminals 5, 5, and 6 and both 6 ] are connected free [ the rotation ]. The plug sockets 2 and 2 which contained the female mold terminals 5 and 5 connected by connecting fitting 7 and 7 free [ rotation ], and 6 and 6 in the terminal receipt room 3 are connected mutually free [ rotation ] electrically.

[0011]

8 and 8 are the above-mentioned connecting fitting 7 and insulating covering of 2 Thu rates put on seven, and wrap step 8a is formed in the contact side side edge of these coverings 8 and 8 in connecting fitting 7 and 7.

[0012]

The screw with which 9 bound lower housing 2b to upper housing 2a of a plug socket 2, and 10 are the screws which bound the insulating coverings 8 and 8 of 2 Thu rates.

[0013]

C is the power cord which while constitutes a table tap 1 and was drawn from the plug socket 2, and the plug (drawing abbreviation) is attached in the terminal section of this power-cord C.

[0014]

Plug sockets 2 and 2 are connected mutually free [ rotation ] electrically as mentioned above, and a table tap 1 is constituted (1). As shown in drawing 3, a table tap 1 is folded up and used. The installation tooth space is not taken, but it is alike, and the plug of more electrical machinery and apparatus is inserted. It can be used being able to connect.

(2) Double with a level difference in the interior of a room which has a level difference as shown in drawing 4, and it is a table tap. By bending and using 1, it is about a table tap 1 that there is nothing inconvenient in any way. It can be used being able to lay. (3) As shown in drawing 5, bend a table tap 1 at a right angle, and it is one KONSEN. TO 2 is laid in desk superiors and it is narrow SUPE of desk superiors and a wall surface about the plug socket 2 of another side. It can be used making it located in - SU.

(4) As shown in drawing 6, bend a table tap 1 at a right angle, and it is the indoor corner section. It can be made to be able to hold, and can be made and used.

\*\*\*\* and wide range use are attained.

[0015]

In addition, the number of the plug sockets connected mutually free [ rotation ] electrically can be made into 3 ream, 4 ream, and more than it, and the design change of a location, a number, etc. which form the plug entry 4 which inserts the plug of an other party electrical machinery and apparatus, and connects can be carried out suitably if needed.

[0016]

Moreover, of course, a table tap 1 may be constituted so that direct continuation may be carried out to the plug socket in which the plug 11 was formed in one of the plug sockets 2, enabling free rotation as shown in drawing 7, and this plug 11 was formed by the indoor wall surface.

[0017]

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DESCRIPTION OF DRAWINGS

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[Brief Description of the Drawings]

[Drawing 1] The perspective view showing one example of this design

[Drawing 2] The perspective view in which while constituting this design and showing the condition of having removed up covering of a plug socket

[Drawing 3] The perspective view showing a busy condition

[Drawing 4] The perspective view showing a busy condition

[Drawing 5] The side elevation showing a busy condition

[Drawing 6] The perspective view showing a busy condition

[Drawing 7] The perspective view showing other examples of this design

[Drawing 8] The perspective view showing the conventional table tap

[Description of Notations]

1 Table Tap 2 Plug Socket

3 Terminal Receipt Room 4 Plug Entry

5 Female Mold Terminal 6 Female Mold Terminal

7 Connecting Fitting 8 Insulating Covering

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[Translation done.]

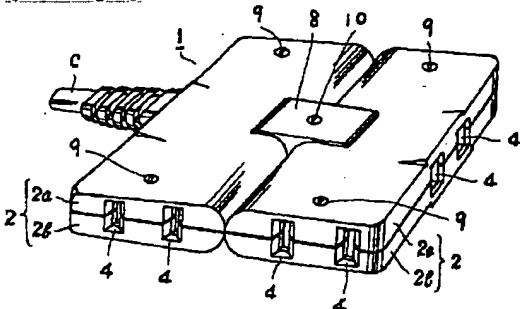
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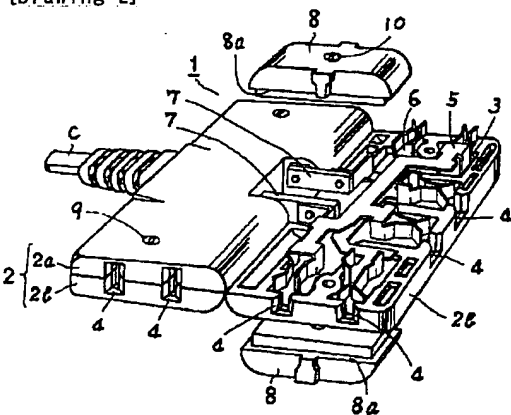
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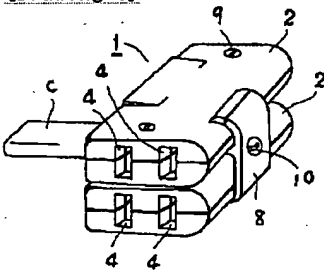
[Drawing 1]



[Drawing 2]

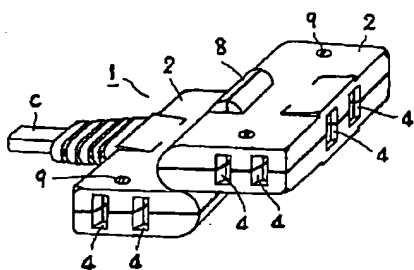


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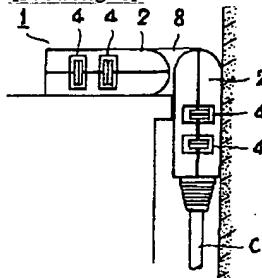


[Drawing 4]

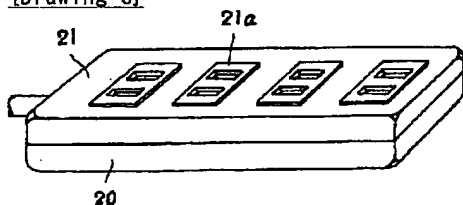




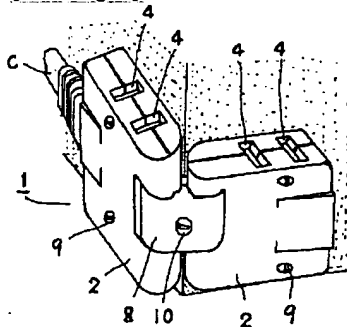
[Drawing 5]



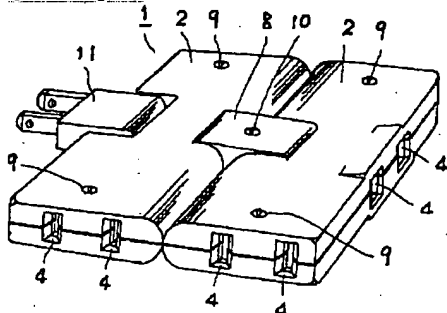
[Drawing 8]



[Drawing 6]



[Drawing 7]



[Translation done.]

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